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Copyright (c) 1993 - 2000 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES

sult No. 274.5 247 242 142.5 340 290.5 386.5 377.5 Score 55.50.0.7.1.80.0.50.0.50.0.7.1.80.0.50.0.50.0.7.1.80.0.50.0.50.0.7.1.80.0.50.0.7.1.80.0.7.1.0.0.7.1.80.0.7.1.00.0.7.1.80.0.7.1.80.0.7.1.80.0.7.1.80.0.7.1.80.0.7.1.80.0.7.1.80 Length DB MYBP_MAIZE
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MYB_AVIMB
MYB_HOMAN
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MYB_CHICK
MYBB_CHICK
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KYGLRRGPWTSEEDQKLYSHITNNGLSCWRAIPKLAGLLRCGKSCRLRWTNYLRPDLKRG 68 KPELRRGPWTYDEDLTLVNYIADNGEGRWNNLARAAGLKRTGKSCRLRWLNYLRPDYKRG 111 Query Match

20.4%; Score 386.5; DB 1

Best Local Similarity (51.4%; Pred. No. 7.7e-24;

Matches 76; Conservative 16; Mismatches 43

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EMBL; X67050; CAA47435.1; PIR; S24244; S24244. HSSP; P01103; 1POM. InterPro; IPR001005; Pfam; PF00249; myb_DNa-binding; PROSITE; PS00037; MYB_1; 1. PROSITE; PS000334; MYB_2; 1. PROSITE; PS000334; MYB_3; 2. PROSITE; PS000304; MYB_3; 2. NUCLEAR PROTEIN; DNA-binding; RDNA_BIND 9 61 MYB_DNA_BIND 62 102 MYSUA_BIND 62 102 MYSUA_BIND 62 102 MYSUA_BIND 62 102 MYSUA_BIND 62 102 MYSUAURICE 421 AA; 46695 MW;	-I- DEVELOPMENTAL STAGE: HIGH RATES OF G -I- SIMILARITY: BELONGS TO THE MYB FAMIL This SWISS-PROT entry is copyright. It between the Swiss Institute of Bioinfor the European Bioinformatics Institute. use by non-profit institutions as lon modified and this statement is not remove entities requires a license agreement (S or send an email to license@isb-sib.ch).	Eukaryota; Viridiplantae; Embryophy Funaridae; Funariales; Funariaceae NCBI_TaxID=3218; [1] SEQUENCE FROM N.A. MEDLINE-9400498; PubMed=8401607; MEDLINE-9400498; PubMed=8401607; MEDLINE-91607; MEDLINE-9	1 A_PHYPA 73; EB-1994 EB-1994 CT-1996 RELATED	98.5 97.98.5 95.57 92.934.
7050; CAA4 244; S2424 1103; IPOM 00249; myb 00349; myb 003037; pS00037; pS00034; pS00034; pS0003662 421 AA;	LARITY: BELO SS-PROT entr the Swiss I pean Bioinfo non-profit and this swi requires a an email to	riridi Funar 218; M N.A 4988; Kamme of my 1-61(1-61(STANDA (Rel. 28 (Rel. 28 (Rel. 34 PROTEIN	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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oindin il. il. il. inding;	TO T	tae; Em tae; Em s; Funa Wed-840 W., Cov lated g lated g).	Created) Last seq Last ann 2.	444444444
.ng; 2. ### Repeat; ### MYB. ### 27a357	AGE: HIGH RATES OF GROWNGS TO THE MYB FAMILY. Y is copyright. It is a nestitute of Bioinformatics Institute. The institutions as long atement is not removed alicense agreement (See license@isb-sib.ch).	Embryophyta; Embryophyta; nariaceae; p 401607; 401607; MacRIPTION A NUCLEAR (POT	PRT; 421 AA sed) sequence update) annotation updat	NCR2_MOUSE HAIR_DROVI HM1D_DROAN IRF3_CHICK SUV3_DROME UBF1_XENLA SOL_DROME AIM_DROME AG43_ECOLI Y141_HUMAN LAMA_MOUSE ALIGNME ALIGNME
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EMBL; M73029; AAA33501.1; -.
EMBL; Z11879; CAA77939.1; -.
PIR; A39697; A39697.
PIR; B39697; B39697.
PIR; S26150; S26150.
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Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoideae;
Andropogoneae; Zea.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MYBP_MAIZE STANDARD; PRT; 399 AA. P27898; P27899; 01-AUG-1992 (Rel. 23, Created) 01-AUG-1992 (Rel. 23, Last sequence update) 15-JUL-1999 (Rel. 38, Last annotation update) MYB-RELATED PROTEIN P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genetics 131:199-209(1992).
-- FUNCTION: TRANSCRIPTION FACTOR POSTULATED TO REGULATE THE BIOSTNTHETIC PATHWAY OF A FLAVONOID-DERIVED PIGMENT IN CERTAIN
                            DNA_BIND
                                                                                                                                                                                                                                                                                                                                                                                           This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its
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Grotewold E., Athma P., Peterson T.;
"Alternatively spliced products of the maize P gene encode proteins
with homology to the DNA-binding domain of myb-like transcription
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID-4577;
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MEDLINE-92275319; PubMed-1317315;
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                                                                                                                                                           MaizeDB; 69180; -
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                                                        Alternative splicing
                                                                        Nuclear protein;
                                                                                                                  Pfam; PF00249; myb_DNA-binding; PROSITE; PS00037; MYB_1; 1.
                                                                                                                                                                                       TRANSFAC; T01590; -.
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                                                                                                                                             nterPro; IPR001005; -
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SIMILARITY: BELONGS TO THE MYB FAMILY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Natl. Acad. Sci. U.S.A. 88:4587-4591(1991).
                                                                     PS00037; MYB_1; 1.
PS00334; MYB_2; 1.
PS50090; MYB_3; 2.
Protein; DNA-binding;
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102
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RESULT 3
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Best Local
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SEQUENCE
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01-AUG-1992 (Rel. 23, Created)
01-AUG-1992 (Rel. 23, Last sequence update)
01-OCT-1996 (Rel. 34, Last annotation update)
TRICHOME DIFFERENTIATION PROTEIN GL1.
                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (see http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                     Oppenhelmer D.G., Herman P.L., Sivakumaran S., Esch J., Marks M.D.; *A myb gene required for leaf trichome differentiation in Arabidopsis is expressed in stipules."; cell 67:483-493(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Arabidopsis thaliana (Mouse-ear cress).
Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;
Magnollophyta; eudicotyledons; core eudicots; Rosidae; eurosids II;
                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A. MEDLINE-92034971;
                                                                 EMBL: M79448; AAC97387.1; -. PIR; A39289; TVMUG1.
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                                                                                                                                                                                                                                                    -1- SIMILARITY: BELONGS TO THE MYB FAMILY.
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                                                                                                                                                                                                                                                                                                    FUNCTION: REGULATES THE PRODUCTION OF A SIGNAL THAT INDUCES HAIR (TRICHOME) PRECURSOR CELLS ON LEAF PRIMORDIA TO
                                                                                                                                                                                                                                                                                                HAIR (TRICHOME) PRECURSOR CELLS
                                                                                                                                                                                                                                                                                     DIFFERENTIATE
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399 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                            PubMed=1934056;
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MISSING (IN SHORT ISOFORM).
; EE025B00A44CF5D0 CRC64;
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TRANSFAC; T01588;

interPro;

IPR001005;

PF00249; myb_DNA-binding;